MARS15 Tutorial

Nikolai Mokhov
Fermilab

March 30-31, 2009
PSI, Villigen

If you want to attend please send a note to Daniela.Kiselev@psi.ch

MONDAY, 30 MARCH 2009

SEMINAR ROOM OFLG/402

9.00 – 10.30	Basics, x-sections, event generators, photo- and electro-nuclear, heavy ions, muons, neutrino, stopped m, p & pbar, vector mesons, Bethe-Heitler, Coulomb scattering, dE/dx
	Coffee break
11.00 – 12.30	Biasing, tagging, MCNP, residual dose, DPA, tracking, geometry, materials, input files/cards, histograming
	Lunch at OASE
14.00 – 15.30	GUI, output files & tallies, combining runs, MPI, multi-step approach, magnetic fields, automatic geometry generation, MAD-MARS beam-line builder
	Coffee break
16.00 – 17.30	Developments and hints in recent benchmarking and applications, uncertainties in modeling, maximizing computing efficiency

TUESDAY, 31 MARCH 2009

SEMINAR ROOM WBBA/008

9.00 – 10.30	Sample problems, questions & answers
11.00 – 12.00 Seminar room WBGB/021	**GFA Seminar talk by N. V. Mokhov:** **"Fermilab Main Injector Collimation System and Crystal Collimation at the Tevatron"**
	Lunch at OASE
14.00 – 17.00	Sample problems, questions & answers